

the DCPVC (11) (and the DC voltage source (1)), which can be high enough, and the current flowing through the DC stabilizer (60).

[0110] Thus, the proposed device for obtaining a direct current flowing in the load provides an unvarying value of the direct current flowing through the load that can change in a wider range.

1. (canceled)

2. An apparatus for producing unvarying direct load current, the apparatus comprising a DC voltage source, a DC-voltage-to-pulse-voltage converter connected by an input thereof to an output of the DC voltage source, a pulse-voltage-to-DC-voltage converter connected by an input thereof to an output of the DC-voltage-to-pulse-voltage converter, a DC stabilizer, a control circuit connected by one of inputs thereof to an output of the DC stabilizer and by an output thereof to a control input of the DC-voltage-to-pulse-voltage converter, and a load, wherein the load is connected by one of terminals thereof to an output of the pulse-voltage-to-DC-voltage converter and by another terminal thereof to another input of the control circuit and to an input of the DC stabilizer connected by another output thereof to a negative terminal of the DC voltage source.

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